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				Filling Date	December 22, 2005	
				First Named Inventor	Svendsen et at.	
				Art Unit	₹BA- 1654	
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Sheet	1	of	2	Afforney Docket	10340.204-US	
				Number		

		U.	S PATENT DOCU	MENTS	
Exeminer Inițials	Cite No.	Document Number  Number - Kind Code 2 (if known)	Publication Date MM-DD-YYYY	Name of Petentee or Applicant of Cited Document	Peges, Columns, Lines, Where Relevant Pessages or Relevant Figures Appeer
/J.H./	_	5,631,149	05-20-1997	Matsui et al.	
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		FOREIGN F	ATENT DOCUM	MENTS		
Exeminer nitials	Cite No. 1	Foreign Patent Document  Country Code 3 - Number 4 - Kind Code 5 (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Peges, Columns, Lines, Where Relevant Pesseges or Relevent Figures Appear	т.
/J.H./		WO 99/43794	09-02-1999			
11/	$\overline{}$	WO 99/43793	09-02-1999			
$\Psi -$		WO 96/33267	10-24-1996			
/J.H./		WO 2004/026043	04-01-2004		-	
Name and Address of the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, whic						
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Substitute for form 1449A/PTO Complete if Known Application Number Jo be assigned 1 December 22-200 INFORMATION DISCLOSURE Filing Date First Named Inventor Svendsen et at. STATEMENT BY APPLICANT TBA 1654 Art linit (use as many sheets as necessary) TOA Julie Ha Examiner Name 10340.204-US Sheet 2 Attorney Docket Number

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		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
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/J.H./		TONKOVA et al., "Bacterial Cyclodextrin Glucanotransferase", Enzyme and Microbial Technology, Vol. 22, pp. 678-686 (1998)			
		PRZYLAS et al., "Chystal Structure of Amylomaltase from Thermus aquaticus, a Glycosyltransferase Catalysing the Production of Large Cyclic Glucans", J. Mol. Biol., Vol. 296, pp. 873-886 (2000)			
		LEEMHUIS et al., "Engineering Cyclodextrin glycosyltransferase into a starch hydrolase with a high exo-specificity", Journal of Biotechnology, Vol. 103, pp. 203-212 (2003)			
		LEEMHUIS et al., "Conversion of cyclodextrin glycosyltransferase into starch hydrolase by disected evolution: The role of alanine 230 in acceptor subsite +1", Biochemistry, Vol. 42, pp. 7518-7526 (2003)			
		LEEMHUIS et al., "Hydrohysis and transplycosylation reaction specificity of cyclodextrin glycosyltransferases", J. Appl. Glycosci., Vol. 50, pp. 263-271 (2003)			
		LEE et al. "Modulation of cylcizing activity and thermostability of cyclodextrin glucanotranserfase and its application as a natistaling enzyme", Journal of Agricultural and Food Chemistry, Vol. 50, pp. 1411-1415 (2002)			
		LEEMHUIS et al., "A five-residue amino acid insertion converts cyclodextrin glycosyltransferase into a starch hydrolase with a high exo-specificity", Chapter 8 (1973)			
		BEIER et al., "Conversion of the maltogenic alpha-amylase Novamyl into CGTase", Protein engineering, Vol. 13, No. 7, pp. 509-513 (2000)			
$\sqrt{}$		TAO, Bernard Y., "Cyclodextrin Glucotransferases Technology and Biocatalyst Design. Chapter 28 of Cyclodextrin Glucotransferases, pp. 372-383 (1990)			
/J.H./		SVENSSON, Birte, "Protein engineering in the alpha amylase family: catalytic mechanism, substrate specificity, and stability', Plant Molecular Biology, Vol. 25, pp. 141-157 (1994)			

Examiner		Date	/ /
Signature	/Julie Ha/	Considered	10/19/2009

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